

In the Claims:

1. (Currently Amended) Pressure-pulse therapy apparatus, comprising:

~~a disk-like acoustic lens, having:~~

~~a center section, having predetermined first curvature and focusing characteristics associated therewith, and formed to direct a primary pressure pulse propagating thereon, so as to form a first subordinate pressure pulse of a compound pressure pulse; and~~

~~a plurality of ring sections, substantially concentric with said center section, having predetermined at least one second curvature and focusing characteristics associated therewith, and formed to direct a primary pressure pulse propagating thereon, so as to form a plurality of subordinate pressure pulses of said compound pressure pulse;~~

~~proximal and distal sides with respect to a tissue for treatment;~~

~~an enclosure with an open end;~~

~~a flexible diaphragm, which caps said open end;~~

~~a fluid medium, contained within said enclosure, for facilitating propagation of the pressure pulses;~~

~~within said enclosure, a pressure-pulse source, which includes an electromagnetic pressure-pulse source, immersed in the medium, located at said distal side of said acoustic lens, for generating a collimated primary pressure pulse that propagates in said medium, and impinges on said acoustic lens; and~~

a fluid medium, contained within said enclosure, for facilitating propagation of a pressure pulse generated by said pressure-pulse source;

a power supply, which supplies power to said pressure-pulse source; and

a disk-like acoustic lens, having:

a center section, having predetermined first curvature and focusing characteristics associated therewith, and formed to direct a said primary pressure pulse propagating thereon, so as to form a first subordinate pressure pulse of a compound pressure pulse; and

a plurality of ring sections, substantially concentric with said center section, having predetermined at least one second curvature and

focusing characteristics associated therewith, and formed to direct a said primary pressure pulse propagating thereon, so as to form a plurality of subordinate pressure pulses of a said compound pressure pulse.

2. (Original) The apparatus of claim 1, wherein said predetermined curvatures and focusing characteristics are determined by mathematical equations for governing a shape of said plurality of ring sections and a shape of said center section.
3. (Currently Amended) The apparatus of claim 1, wherein said predetermined curvatures and focusing characteristics are such that a said first subordinate pressure pulse and a said plurality of subordinate pressure pulses are directed at a predetermined zone. ~~further include a predetermined zone at which both said first subordinate pressure pulse and said plurality of subordinate pressure pulses are directed.~~
4. (Currently Amended) The apparatus of claim 1, wherein said predetermined curvatures and focusing characteristics are such that a said first subordinate pressure pulse is directed at a predetermined zone and at least one of a said plurality of subordinate pressure pulses is directed at a different predetermined zone. ~~include: a predetermined point at which said first subordinate pressure pulse is directed; and a predetermined point at which at least one of said plurality of subordinate pressure pulses is directed.~~
5. (Currently Amended) The apparatus of claim 1, wherein said predetermined curvatures and focusing characteristics are such that a said first subordinate pressure pulse is directed at a predetermined zone and at least one of a said plurality of subordinate pressure pulses is directed at said predetermined zone. ~~include: a predetermined zone at which said first subordinate pressure pulse is directed; and a predetermined zone at which at least one of said plurality of subordinate pressure pulses is directed.~~

6. (Currently Amended) The apparatus of claim 1, wherein said predetermined curvatures and focusing characteristics are such that a said first subordinate pressure pulse is formed with a predetermined phase difference relative to at least one of a said plurality of subordinate pressure pulses ~~further include a predetermined phase difference between said first subordinate pressure pulse and at least one of said plurality of subordinate pressure pulses.~~
7. (Original) The apparatus of claim 6, wherein said phase difference is between 0.5 and 1 microsecond.
8. (Currently Amended) The apparatus of claim 1, wherein each of said plurality of ring sections, having predetermined curvature and focusing characteristics associated therewith, are formed to ~~reflect~~ refract a primary pressure pulse propagating thereon, so as to form a plurality of additional subordinate pressure pulses of said compound pressure pulse.
9. (Original) The apparatus of claim 8, wherein said plurality of additional subordinate pressure pulses of said compound pressure pulse further include predetermined phase differences between them.
10. (Original) The apparatus of claim 8, wherein said plurality of ring sections comprise substantially ellipsoid ring sections, each having proximal and distal focal points with respect to said acoustic lens,
wherein said proximal focal points of said plurality of ring sections substantially coincide, wherein said distal focal points of said plurality of ring sections are adjacent to each other, and wherein said focal point of said center section and said proximal focal points of said plurality of ring sections substantially coincide.
11. (Original) The apparatus of claim 1, wherein said center section is a cutout section that allows a portion of said primary pressure pulse to pass through it, undisturbed.

12. (Original) The apparatus of claim 1, wherein said electromagnetic pressure-pulse source is a disk-like source.
13. (Original) The apparatus of claim 1, wherein said acoustic lens is composed of a polymer material.
14. (Original) The apparatus of claim 1, further comprising a support fixture for supporting a portion of a body of a subject to be treated.
15. (Withdrawn) Pressure-pulse therapy apparatus, comprising:
 - a dome-shaped reflector, having:
 - a center section, having predetermined first curvature and focusing characteristics associated therewith, and formed to direct a primary pressure pulse propagating thereon, so as to form a first subordinate pressure pulse of a compound pressure pulse; and
 - a plurality of ring sections, substantially concentric with said center section, having predetermined second curvature and focusing characteristics associated therewith, and formed to direct a primary pressure pulse propagating thereon, so as to form a plurality of subordinate pressure pulses of said compound pressure pulse;
 - proximal and distal sides with respect to a tissue for treatment;
 - an enclosure with an open end;
 - a flexible diaphragm, which caps said open end;
 - a fluid medium, contained within said enclosure, for facilitating propagation of the pressure pulses;
 - a pressure-pulse source, which includes an electromagnetic pressure-pulse source, immersed in the medium, located at said distal side of said dome-shaped reflector, for generating a collimated primary pressure pulse that propagates in said medium, and impinges on said dome-shaped reflector; and
 - a power supply, which supplies power to said pressure-pulse source.

16. (Withdrawn) The apparatus of claim 15, wherein each of said plurality of ring sections, having predetermined curvature and focusing characteristics associated therewith, are formed to reflect a primary pressure pulse propagating thereon, so as to form a plurality of additional subordinate pressure pulses of said compound pressure pulse.
17. (Withdrawn) The apparatus of claim 16, wherein said plurality of additional subordinate pressure pulses of said compound pressure pulse further include predetermined phase differences between them.
18. (Withdrawn) The apparatus of claim 16, wherein said plurality of ring sections comprise substantially ellipsoid ring sections, each having proximal and distal focal points with respect to said reflector, wherein said proximal focal points of said plurality of ring sections substantially coincide, wherein said distal focal points of said plurality of ring sections are adjacent to each other, and wherein said focal point of said center section and said proximal focal points of said plurality of ring sections substantially coincide.
19. (New) A device for producing an intracorporeal pressure pulse, comprising:
 - a) a pressure pulse source configured to generate a collimated pressure pulse; and
 - b) an acoustic lens including at least one ring-shaped focusing section configured to focus a pressure pulse generated by said pressure pulse source substantially to the vicinity of the central axis of said ring-shaped focusing section.
20. (New) The device of claim 19, wherein said ring-shaped focusing section is configured to focus a pressure pulse generated by said pressure pulse source substantially to a focal point substantially on the central axis of said ring-shaped focusing section.
21. (New) The device of claim 19, wherein said ring-shaped focusing section is configured to focus a pressure pulse generated by said pressure pulse source

substantially to a focal zone substantially collinear with the central axis of said ring-shaped focusing section.

22. (New) The device of claim 19, further comprising at least two ring-shaped focusing sections configured to focus a pressure pulse generated by said pressure pulse source substantially to the central axis of a said ring-shaped focusing section.
23. (New) The device of claim 22, wherein at least two of said at least two ring-shaped focusing sections are configured to focus a pressure pulse generated by said pressure pulse source substantially to the same focal point on the central axis of said ring-shaped focusing section.
24. (New) The device of claim 22, wherein at least two of said at least two said ring-shaped focusing sections are configured to focus a pressure pulse generated by said pressure pulse source substantially to a same focal zone substantially collinear with the central axis of said ring-shaped focusing section.
25. (New) The device of claim 22, wherein at least two of said at least two said ring-shaped focusing sections are configured to focus a pressure pulse generated by said pressure pulse source each substantially to a focal zone substantially collinear with the central axis of said ring-shaped focusing section, said focal zones substantially not overlapping.
26. (New) The device of claim 19, further comprising at least three ring-shaped focusing sections configured to focus a pressure pulse generated by said pressure pulse source substantially to the central axis of a said ring-shaped focusing section.